U.S. DEPARTMENT OF AGRICULTURE

REFERENCE SLIP

DATE 4-8-94

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REMARKS ALICE -

WE HAVE DETAILED PLANT LIST BY SITE DESCRIPTIONS (LAST PAGES) IF THIS BRIEF SUMMARY ISN'T ENOUGH INFO. LET ME KNOW IF I CAN HELP YOU FURTHER.

FROM

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SCS FALLON FO

U.S.G.P.O.: 1985-526-216 FORM AD-514 (8-64)

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A BRIEF DESCRIPTION OF MAJOR LAND RESOURCE AREA 27 IN NEVADA

MLRA 27
-Fallon-Lovelock Area-

Land Use: About 80 percent of this area is federally owned, much of which is used for training purposes by military forces. Most of the remaining land area is used for farms and ranches and for some urban and transportation purposes. Much of the area is used for livestock grazing, particularly during the winter, on native shrubs and grasses. About 1 to 2 percent of the area, primarily near Lovelock and Fallon, is irrigated and intensively farmed. Hay, grain, tame pasture, corn silage, alfalfa hay and seed, and small areas of melons are important crops. Improved drainage of cropland and pastureland, control of salinity, and efficient use of range vegetation and available water supplies are major concerns of management. On sites intensively used for recreation, especially where motorcycles and off-road vehicles are driven over sandy areas, the hazards of wind and water erosion are severe.

Elevation and Topography: Elevations range from a low of about 3300 feet to 5000 feet in valleys, but on some mountain peaks, it is more than 8000 feet. Widely-spaced, north-south trending mountain ranges are separated by broad valleys bordered by smooth, gentle alluvial slopes. Pleistocene lake sediments and recent alluvium are extensive in the major valleys. The few large rivers (Truckee, Humboldt, Carson, and Walker Rivers), terminate in lakes and playas.

Climate: ***Average annual precipitation*** for the MLRA in Nevada ranges from about 3 inches at lower elevations to about 12 inches over most mountain ranges and as much as 20 inches on higher mountain ranges. Precipitation occurs primarily during the winter and early spring. The relative humidity is low, evaporation is high, the percentage of sunshine is high, and the daily and seasonal range in temperature is wide. Summers are dry and hot, but convection storms of high intensity, and usually short duration, are common in July and August. ***Average annual temperature*** ranges from 45 to 55 degrees F. ***Average frost-free period*** is generally 60 to 150 days, decreasing with elevation.

Water: Water for irrigation is obtained principally from the few large rivers in the area. Water is stored in the Lahontan and Ryepatch Reservoirs for irrigation of crops in the major agricultural areas of Fallon and Lovelock. Pressure on limited irrigation water supplies in the Fallon area is being felt as a result of the urban expansion taking place in the Reno/Sparks and Carson City areas and their need to supplement municipal water supplies. Precipitation is very low, and groundwater is scarce and of poor quality in the major valleys. Limited supplies of good to fair quality groundwater in some of the outlying valleys is being rapidly harnessed for irrigation. Pyramid and Walker Lakes are terminal lakes used principally for recreation.

Soils: The dominant soils are Argids, Psamments, Orthids, Aquolls, Xerolls, Orthents and Fluvents. These soils have a mesic soil temperature regime (frigid on higher mountains) and a mixed or montmorillonitic minerology. They have formed primarily in mixed parent material. Natrargids, Durorthids, Camborthids, Torriorthents, and Torripsamments are on piedmont slopes and lake terraces. Haplaquolls, Haploxerolls, Xerofluvents, and Salorthids are on wet floodplains, in basins, and on stream and lake terraces. Shallow Torriorthents, shallow Haplargids, Argixerolls, and Haploxerolls are on mountain slopes.

Potential Natural Vegetation: This area supports desert shrub vegetation. Shadscale is widespread. Shadscale is mixed with Bailey greasewood on uplands and with black greasewood and seepweed in the basins. Grasses are generally sparse, although Indian ricegrass is often dominant on sandy soils. Fourwing saltbush, winterfat, spiny hopsage, wolfberry, ephedra, and bud sagebrush, in association with shadscale and Bailey greasewood, are common upland shrubs. Basin wildrye, creeping wildrye, alkali sacaton, Indian ricegrass, saltgrass, black greasewood, rubber rabbitbrush, and Torrey saltbush are important plants of valley bottoms. A few wetland areas support cattail, bulrushes, sedges and rushes. Big sagebrush, along with scattered Utah juniper and singleleaf pinyon, is associated with Thurber needlegrass, basin wildrye, Sandberg bluegrass, Indian ricegrass, and bottlebrush squirreltail on higher piedmont slopes, hills and mountains.

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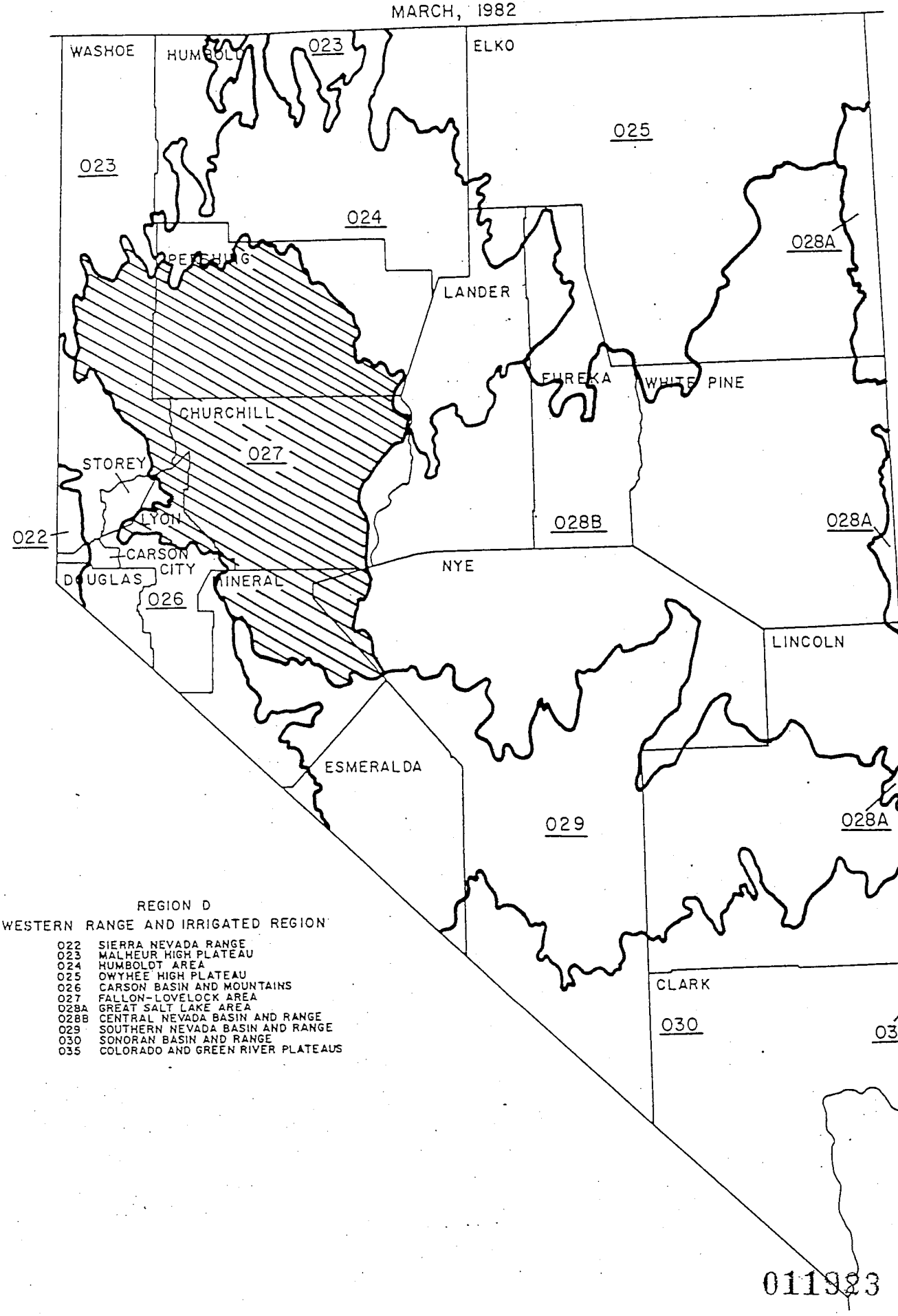
MAJOR LAND RESOURCE AREAS
NEVADA
MARCH, 1982



REGION D

WESTERN RANGE AND IRRIGATED REGION

022	SIERRA NEVADA RANGE
023	MALHEUR HIGH PLATEAU
024	HUMBOLDT AREA
025	OWYHEE HIGH PLATEAU
026	CARSON BASIN AND MOUNTAINS
027	FALLON-LOVELOCK AREA
028A	GREAT SALT LAKE AREA
028B	CENTRAL NEVADA BASIN AND RANGE
029	SOUTHERN NEVADA BASIN AND RANGE
030	SONORAN BASIN AND RANGE
035	COLORADO AND GREEN RIVER PLATEAUS

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MLRA 27 SITE DESCRIPTIONS

NUMERICAL LISTING OF SITE DESCRIPTIONS

SITE NUMBER	SITE NAME	HABITAT TYPE	YIELD [LBs/Ac]	REVISION
027XY001NV	Wetland	TYPHA-ELPA3-SCPA4	4000-2800-2000	11/89
027XY002NV	Moist Floodplain	SALIX/ELTR3-ELCI2-AGSM	3000-2500-1800	11/89
027XY003NV	Loamy Bottom 8-12" P.Z.	ARTRT/ELCI2	3500-2000-1000	1/91
027XY004NV	Wet Meadow 8-12" P.Z.	CAREX-POWE3	2500-1500-1000	1/91
027XY005NV	Saline Meadow	SPAI-DISPS2-JUBA	3000-2200-1000	11/89
027XY006NV	Saline Bottom	SAVE4/ELCI2	2000-1500-800	11/89
027XY007NV	Loamy Slope 8-10" P.Z.	ARTRW/STTH2	700-500-300	11/89
027XY008NV	Droughty Loam 8-10" P.Z.	ARTRW-GRSP/ORHY	700-500-300	11/89
027XY009NV	Sandy 5-8" P.Z.	ATCA2/ORHY	700-450-250	11/89
027XY010NV	Beach Terrace 4-8" P.Z.	ATCO	225-150-75	1/91
027XY012NV	Sodic Sands	SAVE4/ORHY	600-400-200	11/89
027XY013NV	Loamy 4-8" P.Z.	ATCO-ARSP5/ORHY	600-450-250	1/91
027XY014NV	Coarse Silty 4-8" P.Z.	EULA5/ORHY	700-500-350	11/89
027XY015NV	Stony Loam 4-8" P.Z.	SAVEB-ATCO/ORHY	500-350-200	11/89
027XY016NV	Sodic Dunes	SAVE4/ORHY	500-300-150	11/89
027XY017NV	South Slope 4-8" P.Z.	ATCO/STSP3	400-200-100	11/89
027XY018NV	Gravelly Loam 4-8" P.Z.	ATCO-SAVEB/ORHY	400-250-100	1/91
027XY019NV	Stony Slope 4-8" P.Z.	ATCO-SAVEB/ORHY	300-175-50	1/91
027XY020NV	Shallow Claypan 8-10" P.Z.	ARTEM/STSP3	450-300-150	11/89
027XY022NV	Valley Wash 4-8" P.Z.	NO STABLE PLANT COMMUNITY	400-200-50	11/89
027XY023NV	Dunes 4-8" P.Z.	TECO2-ATCA2/ORHY	700-500-300	11/89
027XY024NV	Sodic Terrace	ATCO-SAVE4/ORHY	500-350-150	1/91
027XY025NV	Sodic Flat	SAVE4/DISPS2	500-350-200	11/89
027XY027NV	Barren Gravelly Slope 4-8" P.Z.	ATCO/ORHY	200-100-50	1/91
027XY029NV	Gravelly Fan 8-10" P.Z.	ARTR2-GRSP/ORHY-ELCI2	800-500-300	11/89
027XY032NV	Shallow Calcareous Loam 8-10" P.Z.	ARARN/STTH2	500-300-200	11/89
027XY036NV	Dry Sodic Terrace	SAVE4/ORHY	200-100-50	1/91
027XY037NV	Loamy Slope 5-8" P.Z.	ATCO-ARSP5/ORHY	450-300-150	11/89
027XY038NV	POFR2 WSG: 4W10	POFR2/ELTR3	3500-3000-2000	2/90
027XY041NV	Deep Sodic Fan	ATTO/ELCI2	1500-1000-600	11/89
027XY043NV	Coarse Gravelly Loam 3-5" P.Z.	ATCO-LYCO2-SAVEB/ORHY	350-200-100	1/91
027XY044NV	Saline Flat	ATTO/ELCI2	600-400-200	11/89
027XY045NV	Sandy 8-12" P.Z.	ARTRT/ORHY-AGDA	800-600-400	1/91
027XY046NV	Cobbly Claypan 12-14" P.Z.	ARAR8/FEID	600-400-250	11/89
027XY047NV	Eroded Granitic Slope 4-8" P.Z.	GRSP-TEGL-EPNE/STSP3	500-350-200	1/91
027XY049NV	Cobbly Claypan 8-10" P.Z.	ARAR8/STTH2	500-350-250	11/89
027XY050NV	Coarse Gravelly Loam 5-8" P.Z.	SAVEB-ATCO/ORHY	500-350-200	1/91
027XY051NV	South Slope 8-10" P.Z.	ARTRW/STSP3	500-350-200	11/89
027XY053NV	Dunes 8-10" P.Z.	ATCA2-EPNE/ORHY	600-500-300	11/89
027XY054NV	Loamy Slope 10-12" P.Z.	ARTR2/STTH2	900-700-500	11/89
027XY058NV	Loamy 10-12" P.Z.	ARTR2/STTH2-ELCI2	1200-1000-700	1/91
027XY060NV	Sandy 3-5" P.Z.	ATCA2/ORHY	450-250-100	11/89

NUMERICAL LISTING OF SITE DESCRIPTIONS

-continued-

SITE NUMBER	SITE NAME	HABITAT TYPE	YIELD [LBs/Ac]	REVISION
027XY061NV	Shallow Calcareous Slope 8-10" P.Z.	ARARN/STSP3-ORHY	400-200-100	11/89
027XY065NV	Granitic Slope 8-10" P.Z.	ARTRW/STSP3	600-500-300	1/91
027XY067NV	Granitic Loam 8-10" P.Z.	ARTRW/STSP3	900-700-400	1/91
027XY068NV	Granitic Claypan 8-10" P.Z.	ARTEM/STSP3	900-600-350	11/89
027XY069NV	Wet Meadow 4-8" P.Z.	POJU-JUNCU	3000-2500-2000	11/89
027XY070NV	Droughty Claypan 8-10" P.Z.	ARTEM/ORHY-STSP3	400-250-100	11/89
027XY072NV	Granitic Slope 10-12" P.Z.	ARTR2/STTH2	800-600-400	11/89
027XY073NV	Granitic Slope 12-14" P.Z.	ARVA2/STTH2	1100-900-700	11/89
027XY074NV	Granitic Loam 5-8" P.Z.	ATCO/STSP3	800-500-300	1/91
027XY075NV	JUOS WSG: OR2	JUOS/ARTRW/STTH2	500-350-200	2/90
027XY076NV	Gravelly Sodic Terrace 4-6" P.Z.	ATCO-SAVEB	250-150-75	2/90
027XY077NV	Moist Saline Flat	ALOC2/DISPS2	100-75-50	11/89
027XY078NV	Outwash Plain	ATRIP/ORHY	600-400-250	11/89
027XY079NV	Gravelly Claypan 8-10" P.Z.	ARTEM/STTH2	500-350-200	11/89
027XY080NV	PIMO WSG: 1R1	PIMO/ARVA2/FEID	350-150-100	2/90
027XY081NV	PIMO-JUOS WSG: OR2	PIMO-JUOS/ARTRW/STTH2	500-300-200	2/90
027XY082NV	PIMO-JUOS WSG: OR1	PIMO-JUOS/ARVA2	700-500-300	2/90